Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

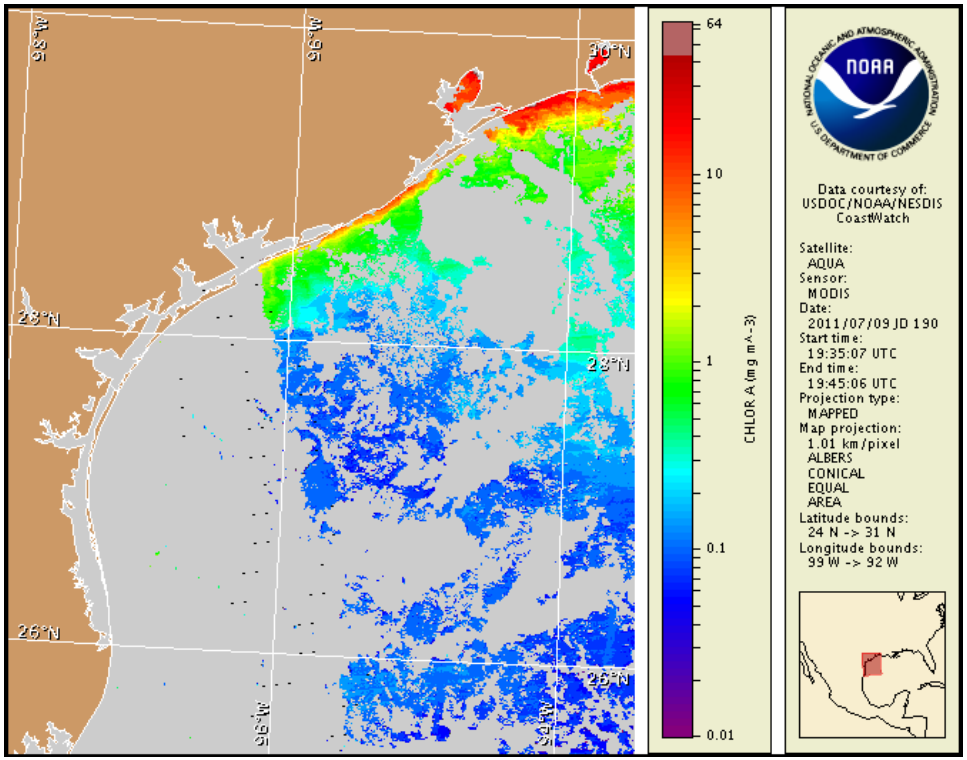
Monday, 11 July 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Tuesday, July 5, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 1 to 8 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

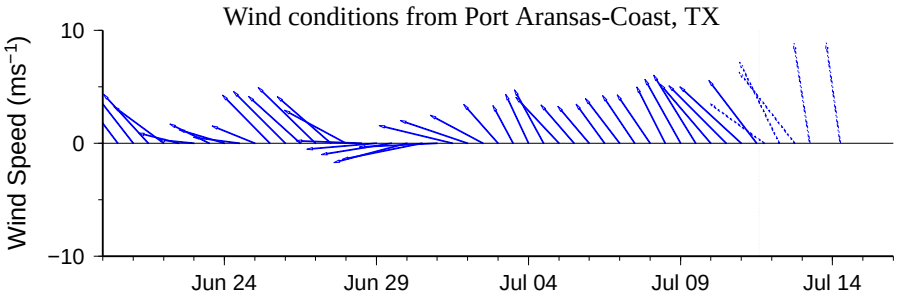
Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, July 17.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is obscured by clouds from Pass Cavallo to Brazos Santiago Pass, limiting analysis. In recent imagery (MODIS, 7/9; shown at left), patches of high to very high chlorophyll (10 to >20 μg/L) are visible along- and offshore from Sabine Pass to the Galveston region. A band of elevated chlorophyll is also visible alongshore from the Galveston region to Pass Cavallo. Elevated chlorophyll present at the coast is likely due to the resuspension of benthic chlorophyll and sediments and not related to a harmful algal bloom. Forecast models indicate a maximum transport of 30 km north along the coast from Port Aransas from July 11 to 14.

Kavanaugh, Urizar

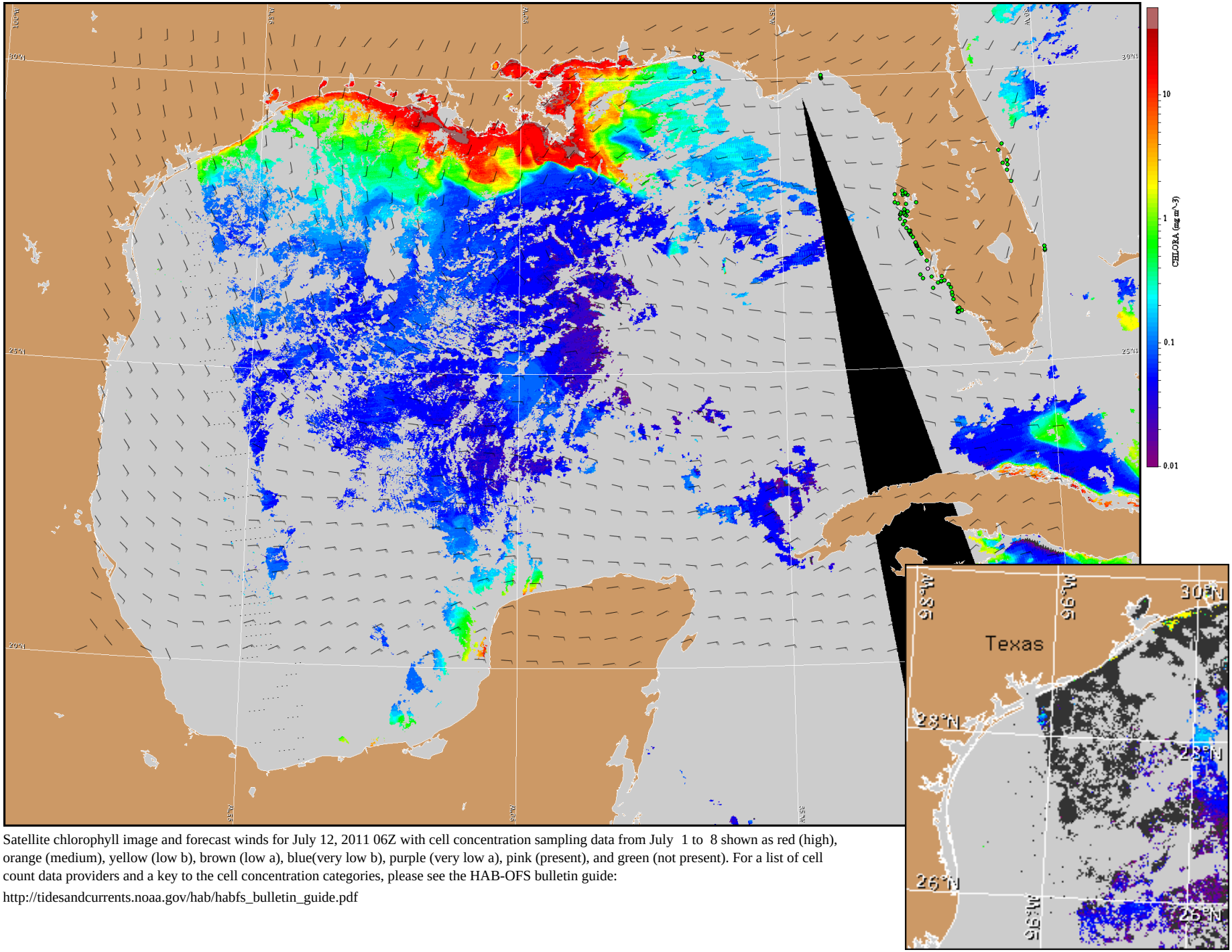


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

Port Aransas: Southeast winds (10-20 kn, 5-10 m/s) today through Tuesday. South winds (10-15 kn, 5-8 m/s) Tuesday night through Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive: http://tidesandcurrents.noaa.gov/hab/bulletins.html



Satellite chlorophyll image and forecast winds for July 12, 2011 06Z with cell concentration sampling data from July 1 to 8 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:
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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).